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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/728,911	12/08/2003	Toshiki Naito	Q78886	8822	
65565 SUGHRUE-26	7590 · 01/25/2008 5550		EXAMINER		
2100 PENNSY	LVANIA AVE. NW		DINH, TUAN T		
WASHINGTO	N, DC 20037-3213		ART UNIT PAPER NUMBE		
			2841		
			MAIL DATE	DELIVERY MODE	
			01/25/2008	PAPER ·	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)	
Office Action Summary		10/728,911 NAITO ET AL.		
		Examiner	Art Unit	
	·	Tuan T. Dinh	2841	
<u> </u>	The MAILING DATE of this communication ap	pears on the cover sheet w	ith the correspondence addre	ss
Period fo	• •			
WHI0 - External after af	ORTENED STATUTORY PERIOD FOR REPL CHEVER IS LONGER, FROM THE MAILING D ensions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. D period for reply is specified above, the maximum statutory period ure to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailin led patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNI 136(a). In no event, however, may a will apply and will expire SIX (6) MOt a. cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this comm BANDONED (35 U.S.C. & 133)	·
Status				
1) 🛛	Responsive to communication(s) filed on 31 C	October 2007	•	
2a)□		s action is non-final.		
'	Since this application is in condition for allowa		ters, prosecution as to the mo	erits is
,	closed in accordance with the practice under I			
Disposit	ion of Claims	•	,	
4)⊠	Claim(s) 1,4 and 9-12 is/are pending in the ap	plication.		
,—	4a) Of the above claim(s) is/are withdra	•		
5)	Claim(s) is/are allowed.	,		
6)⊠	Claim(s) 1,4 and 9-12 is/are rejected.		•	•
7)	Claim(s) is/are objected to.			
8)[Claim(s) are subject to restriction and/o	or election requirement.		
Applicat	ion Papers			
9)□	The specification is objected to by the Examine	er.	•	
· ·	The drawing(s) filed on is/are: a) acc		by the Examiner.	
	Applicant may not request that any objection to the		-	
	Replacement drawing sheet(s) including the correct	•		I.121(d).
11)	The oath or declaration is objected to by the Ex			
Priority ı	under 35 U.S.C. § 119			
	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. §	§ 119(a)-(d) or (f).	
a)	All b) Some * c) None of: A			
	1. Certified copies of the priority document			
	2. Certified copies of the priority document			
	3. Copies of the certified copies of the prio		received in this National Sta	ge
* 5	application from the International Burea See the attached detailed Office action for a list	• • • • • • • • • • • • • • • • • • • •	roppiyad	
	see the attached detailed office action for a list	or the certified copies not	receiveu.	
Attachmen		_		
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) s)/Mail Date	
3) 🔲 Infor	mation Disclosure Statement(s) (PTO/SB/08)	. 5) 🔲 Notice of I	nformal Patent Application	
Pape	r No(s)/Mail Date	6) Other:	<u> </u>	

DETAILED ACTION

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/31/07 has been entered.

Note of the claimed language:

The term "<u>capable of</u>", which is equivalent as "adapted to or configured to", performing a function is not a positive limitation but only requires the ability to so perform. It does not constitute a limitation in any patentable sense. *In re Hutchison* USPQ 138.

Abstract

The abstract of the disclosure is objected to because "<u>the number</u>" should be formed in a parenthesis. Correction is required. See MPEP § 608.01(b).

Application/Control Number:

10/728,911 Art Unit: 2841

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kitano et al. ('876) as in the record with figure 6 in view of figure 12 in the same reference.

As to claim 1, Kitano discloses a tape carrier for TAB as shown in figures 1-6, comprising:

a carrying support film (6 or 9) and

individual pieces of flexible wiring boards (3), each of which includes an electrically insulating base layer made of a resin film (column 5, line 28) and an electric conductor layer (4) made of a metal foil or copper foil (column 5, lines 29-31) having a predetermined wiring circuit pattern,

wherein said flexible wiring boards (3) are mounted at regular intervals on mounting portions of said carrying support film (6) and wherein an entire surface of each of the flexible wiring boards (3) and an entire surface of each the mounting portions are bonded to each other through an adhesive agent (20).

Figures 1-6 of Kitano et al. does not specific disclose an interior area defined by an outer perimeter of each of the mounting portions having no holes formed.

As in figure 12 of Kitano, that discloses a carrying support film (15) having no holes formed thereon. Therefore, it would have been obvious to one having ordinary

skill in the art at the time the invention was made to have the carrying support film having no holes as in figure 12 of Kitano employed the carrying support film with holes as in figure 6 of Kitano in order to provide a high connection reliability.

3. Claims 4 and 9-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kitano in view of Nakamura (the references cited in the record).

As to claims 4, 12, Kitano does not specific disclose the support film and the insulating base layer made by polyimide film. Nakamura shows the insulating base layer and carrying support film (3) is a polyimide film (column 6, lines 65-67 and column 7, lines 33-43).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to have a teaching of Nakamura employed in the TAB of Kitano in order to provide an excellent flexure and good in heat dissipation.

As to claims 9-11, Kitano as modified by Nakamura discloses a thickness of said electrically insulating base layer (2) is in a range from 3 μ m to 100 μ m (column 6, lines 64-65) and a thickness of said conductor layer (foil 35) is in a range from 3 μ m to 50 μ m (column 8, line 30).

Response to Arguments

4. Applicant's arguments with respect to claims 1, 4, and 9-12 have been considered but are most in view of the new ground(s) of rejection.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Dinh whose telephone number is 571-272-1929. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gutierrez F. Diego can be reached on 571-272-2245. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tuan Dinh

January 15, 2008.

TUAN T. DINH PRIMARY EXAMINER